

EPPW



SABRA:kam 02/04/05 3382-64473-01 303515.01

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Srinivasan

Application No. 10/620,744

Filed: July 15, 2003

Confirmation No. 8976

For: IMPROVEMENTS TO THE SPATIAL-DOMAIN LAPPED TRANSFORM IN DIGITAL MEDIA COMPRESSION

Examiner: To be assigned

Art Unit: 2631

Attorney Reference No. 3382-64473-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)

Date Mailed February 4, 2005

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

If the present application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55).

Applicant will provide copies of such patents upon request.

Applicant filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

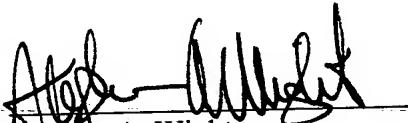
However, if the Patent Office determines that a fee is required for Applicant to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By



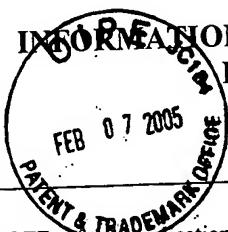
Stephen A. Wight
Registration No. 37,759

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Docketing

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	3382-64473-01
		Application Number	10/620,744
		Filing Date	July 15, 2003
		First Named Inventor	Srinivasan
		Art Unit	2631
		Examiner Name	To be assigned
		Trac D. Tran, "Lapped Transform via Time-Domain Pre- and Post-Processing," 2001 Conference on Information Sciences and Systems, The Johns Hopkins University, March 21-23, 2001.	
		INTERNATIONAL ORGANIZATION FOR STANDARDISATION, ISO/IEC JTC1/SC29/WG11 N4668, "CODING OF MOVING PICTURES AND AUDIO," March 2002, Title: MPEG-4 Overview - (V.21 – Jeju Version), Editor: Rob Koenen (rob.koenen@m4if.org), available at http://www.chiariglione.org/mpeg/standards/mpeg-4/mpeg-4.htm .	
		"H.264 & IPTV Over DSL - Enabling New Telco Revenue Opportunities," <i>White Paper</i> , Intel/Envivio, May 15, 2004, available at http://www.envivio.com/images/products/H264whitepaper.pdf .	
		Trac D. Tran, Jie Liang, and Chengjie Tu, "Lapped Transform via Time-Domain Pre- and Post-Filtering," <i>IEEE Transactions on Signal Processing</i> , Vol. 51, No. 6, pp. 1557-71, June 2003.	
		K. R. Rao and J. Hwang, "Techniques and Standards for Image, Video, and Audio Coding," Englewood Cliffs, NJ: Prentice-Hall, 1996.	
		H.W. Park and Y. L. Lee, "A post processing method for reducing quantization effects in low bit-rate moving picture coding," <i>IEEE Trans. Circuits Syst., Video Technol.</i> , Vol. 9, pp. 161–171, February 1999.	
		J. Apostolopoulos and N. Jayant, "Post-processing for very-low-bit-rate video compression," <i>IEEE Trans. Image Processing</i> , Vol. 8, pp. 1125–1129, August 1999.	
		T. D. Tran and C. Tu, "Lapped transform based video coding," <i>Proc. SPIE Applicat. Digital Image Processing XXIV</i> , San Diego, CA, pp. 319–333, August 2001.	
		Chengjie Tu and Trac D. Tran, "Context-Based Entropy Coding of Block Transform Coefficients for Image Compression," <i>IEEE Transactions On Image Processing</i> , Vol. 11, No. 11, pp. 1271-1283, November 2002.	
		R. L. de Queiroz and T. D. Tran, "Lapped transforms for image compression," <i>The Handbook on Transforms and Data Compression</i> , edited by K. R. Rao and P. Yip, CRC Press, pp. 197-265, October 2000.	

EXAMINER SIGNATURE:	DATE CONSIDERED:
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**


Attorney Docket Number	3382-64473-01
Application Number	10/620,744
Filing Date	July 15, 2003
First Named Inventor	Srinivasan
Art Unit	2631
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

NOTE: If this application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55).

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		US 2003-0152146	Aug. 14, 2003	Lin
		US 2003-0206582	Nov. 6, 2003	Srinivasan
		6,728,315	April 27, 2004	Haskell <i>et al.</i>
		6,771,828	March 3, 2000	Malvar
		4,754,492	June 3, 1985	Malvar
		5,805,739	April 2, 1996	Malvar <i>et al.</i>
		6,029,126	June 30, 1998	Malvar
		6,115,689	May 27, 1998	Malvar
		6,253,165	June 30, 1998	Malvar
		5,859,788	Jan. 12, 1999	Sheng

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		AU	7351001	Jan. 30, 2002	Quang <i>et al.</i>

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	H. S. Malvar, "Signal Processing With Lapped Transforms," Norwood, MA: Artech House, , pp. 175-219, 264-273, 1992.
EXAMINER SIGNATURE:	DATE CONSIDERED:	

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.